

Aliyah Marie Fulo
2015-05872

ME#08 - Containerization and Docker

Exercise 4: Sharing Images

1. Getting Setup

Log in using terminal

```
C:\Users\Aliyah Marie Fulo>docker login
Login with your Docker ID to push and pull images from Docker Hub. If you don't have a Docker ID, head over to https://hub.docker.com to create one.
Username: fuloaliyah25
Password:
time="2021-06-16T12:57:47+08:00" level=error msg="(4090a7f2) e8f472b5-CredentialHelperPKG C<-S No response POST /registry/credstore-updated (1.009097s): Post \"http://
edstore-updated\": context deadline exceeded (Client.Timeout exceeded while awaiting headers)[[STACK]]"
time="2021-06-16T12:57:48+08:00" level=error msg="(0cf5de70) e8f472b5-CredentialHelperPKG C<-S No response POST /registry/credstore-updated (1.0001186s): Post \"http://
redstore-updated\": context deadline exceeded (Client.Timeout exceeded while awaiting headers)[[STACK]]"
Login Succeeded
```

2. Finding Images

Search kafka

```
C:\Users\Aliyah Marie Fulo>docker search kafka
```

NAME	DESCRIPTION	STARS	OFFICIAL	AUTOMATED
wurstmeister/kafka	Multi-Broker Apache Kafka Image	1376		[OK]
spotify/kafka	A simple docker image with both Kafka and Zo...	413		[OK]
bitnami/kafka	Apache Kafka is a distributed streaming plat...	242		[OK]
sheepkiller/kafka-manager	kafka-manager	204		[OK]
kafkamanager/kafka-manager	Docker image for Kafka manager	124		
ches/kafka	Apache Kafka. Tagged versions. JMX. Cluster-...	117		[OK]
hlebalbau/kafka-manager	CMAK (previous known as Kafka Manager) As Do...	83		[OK]
landoop/kafka-topics-ui	UI for viewing Kafka Topics config and data ...	36		[OK]
johnnypark/kafka-zookeeper	Kafka and Zookeeper combined image	23		
solsson/kafka	http://kafka.apache.org/documentation.html#q...	22		[OK]
debezium/kafka	Kafka image required when running the Debezi...	21		[OK]
landoop/kafka-lenses-dev	Lenses with Kafka. +Connect +Generators +Con...	21		[OK]
danielqsj/kafka-exporter	Kafka exporter for Prometheus	19		[OK]
landoop/kafka-connect-ui	Web based UI for Kafka Connect.	17		[OK]
digitalwonderland/kafka	Latest Kafka - clusterable	15		[OK]
tchiotludo/kafkahq	Kafka GUI to view topics, topics data, consu...	6		[OK]
solsson/kafkacat	https://github.com/edenhill/kafkacat/pull/110	5		[OK]
solsson/kafka-manager	Deprecated in favor of solsson/kafka:cmak	5		[OK]
solsson/kafka-consumers-prometheus	https://github.com/cloudworkz/kafka-minion	4		
solsson/kafka-prometheus-jmx-exporter	For monitoring of Kubernetes Kafka clusters ...	4		[OK]
mesosphere/kafka-client	Kafka client	3		[OK]
anchorfree/kafka	Kafka broker and Zookeeper image	2		
zenreach/kafka-connect	Zenreach's Kafka Connect Docker Image	2		
zenko/kafka-manager	Kafka Manger https://github.com/yahoo/kafka-...	2		[OK]
humio/kafka-dev	Kafka build for dev.	0		

3. Tagging Images

Add version 1.0 to delner/ping

```
C:\Users\Aliyah Marie Fulo>docker images
REPOSITORY      TAG         IMAGE ID      CREATED        SIZE
delner/ping      latest      f47c22768f89  13 minutes ago 170MB
ubuntu          16.04      9ff95a467e45  3 weeks ago   135MB

C:\Users\Aliyah Marie Fulo>docker tag delner/ping delner/ping:1.0

C:\Users\Aliyah Marie Fulo>docker images
REPOSITORY      TAG         IMAGE ID      CREATED        SIZE
delner/ping      1.0         f47c22768f89  14 minutes ago 170MB
delner/ping      latest      f47c22768f89  14 minutes ago 170MB
ubuntu          16.04      9ff95a467e45  3 weeks ago   135MB
```

4. Pushing Images

Push image

```
C:\Users\Aliyah Marie Fulo>docker push delner/ping:1.0
The push refers to repository [docker.io/delner/ping]
```